

Name:

*Dividing by 6*

Question 1

A 54 m long rope is cut into 6 equal pieces.  
How long is each piece of rope?

Question 2

A 36 kg block of iron is cut into 6 identical pieces.  
What is the weight of each piece?

Question 3

48 paint brushes were evenly distributed among 6 table groups.  
How many paint brushes did each group get?

Question 4

A florist wants to make 6 bouquets (each with the same number of flowers) from 60 flowers.  
How many flowers in each bouquet?

Question 5

Sara has 24 tomatoes. She places them into boxes of 6.  
How many boxes does Sara need?

Question 6

Share 48 coins equally between 6 people.  
How many coins does each person get?

Question 7

There are 30 students on camp.  
Each of the 6 cabins must sleep the same number of students.  
How many students in each cabin?

Question 8

72 oranges were divided equally into 6 boxes.  
How many oranges in each box?

Question 9

66 marbles are shared between 6 children.  
How many marbles does each child get?

Question 10

For her birthday party, Kylie placed 48 sweets equally into 6 bags for her guests.  
How many sweets in each bag?

## Dividing by 6 - solutions

<p><b>Question 1</b> A 54 m long rope is cut into 6 equal pieces.  How long is each piece of rope?</p>	<p><b>Solution</b> To calculate the length of each piece of rope, divide the length of the original piece by 6 because there are 6 equal pieces.  <math>54 \div 6 = 9</math></p>
<p><b>Question 2</b> A 36 kg block of iron is cut into 6 identical pieces.  What is the weight of each piece?</p>	<p><b>Solution</b> To calculate the weight of each piece of iron, divide the weight of the original piece of iron by 6 because there are 6 identical pieces.  <math>36 \div 6 = 6</math></p>
<p><b>Question 3</b> 48 paint brushes were evenly distributed among 6 table groups.  How many paint brushes did each group get?</p>	<p><b>Solution</b> To calculate the number of paint brushes each group gets, divide the number of paint brushes by the number of table groups.  <math>48 \div 6 = 8</math></p>
<p><b>Question 4</b> A florist wants to make 6 bouquets (each with the same number of flowers) from 60 flowers.  How many flowers in each bouquet?</p>	<p><b>Solution</b> To calculate the number of flowers in each bouquet, divide the number of flowers by 6 which is the number of bouquets.  <math>60 \div 6 = 10</math></p>
<p><b>Question 5</b> Sara has 24 tomatoes. She places them into boxes of 6.  How many boxes does Sara need?</p>	<p><b>Solution</b> To calculate the number of boxes Sara needs, divide the number of tomatoes she has by 6 which is the number of tomatoes in each box.  <math>24 \div 6 = 4</math></p>
<p><b>Question 6</b> Share 48 coins equally between 6 people.  How many coins does each person get?</p>	<p><b>Solution</b> To calculate the number of coins each person gets, divide the number of coins by the number of people which is 6.  <math>48 \div 6 = 8</math></p>
<p><b>Question 7</b> There are 30 students on camp. Each of the 6 cabins must sleep the same number of students. How many students in each cabin?</p>	<p><b>Solution</b> To calculate the number of students in each cabin, divide the number of students by the number of cabins.  <math>30 \div 6 = 5</math></p>
<p><b>Question 8</b> 72 oranges were divided equally into 6 boxes.  How many oranges in each box?</p>	<p><b>Solution</b> To calculate the number of oranges in each box, divide the number of oranges by the number of boxes.  <math>72 \div 6 = 12</math></p>
<p><b>Question 9</b> 66 marbles are shared between 6 children.  How many marbles does each child get?</p>	<p><b>Solution</b> To calculate the number of marbles each child gets, divide the number of marbles by the number of children.  <math>66 \div 6 = 11</math></p>
<p><b>Question 10</b> For her birthday party, Kylie placed 48 sweets equally into 6 bags for her guests.  How many sweets in each bag?</p>	<p><b>Solution</b> To calculate the number of sweets in each bag, divide the number of sweets by the number of bags.  <math>48 \div 6 = 8</math></p>